



Specialty Independent Review Organization

Notice of Independent Review Decision

Date notice sent to all parties: 10/21/2015

IRO CASE #:

DESCRIPTION OF THE SERVICE OR SERVICES IN DISPUTE:

The item in dispute is the prospective medical necessity of a left total knee replacement surgery and one post-operative mechanical DVT prophylaxis with use of VenaPro Devices.

A DESCRIPTION OF THE QUALIFICATIONS FOR EACH PHYSICIAN OR OTHER HEALTH CARE PROVIDER WHO REVIEWED THE DECISION:

The reviewer is a Medical Doctor who is board certified in Orthopedic Surgery.

REVIEW OUTCOME:

Upon independent review, the reviewer finds that the previous adverse determination/adverse determinations should be:

- ☒ Upheld (Agree)
- ☐ Overturned (Disagree)
- ☐ Partially Overturned (Agree in part/Disagree in part)

The reviewer agrees with the previous adverse determination regarding the prospective medical necessity of a left total knee replacement surgery and one post-operative mechanical DVT prophylaxis with use of VenaPro Devices.

PATIENT CLINICAL HISTORY [SUMMARY]:

The claimant was injured when xxxxx. Clinical notes (including 6/16/15) described recurrent pain, an antalgic gait, popping and instability of the left knee. Exam findings reveal an effusion, crepitus, tenderness, decreased motion (0-100 degrees) and stability to stress. A xxxxx dated MRI revealed chondromalacia patella, lateral meniscal tear and medial meniscal degeneration, along with degenerative changes. Diagnoses include post-traumatic arthritis. Treatment included medications, altered activities, along with therapy and arthroscopic surgery.

ANALYSIS AND EXPLANATION OF THE DECISION INCLUDE CLINICAL BASIS, FINDINGS, AND CONCLUSIONS USED TO SUPPORT THE DECISION:

Despite the persistent knee pain and decreased motion, motion less than 90 degrees and nighttime pain have not been identified. In addition, details regarding specific functional limitations were not denoted. Overall ODG criteria for the requests have therefore not been met, at this time and the request is not medically necessary.

ODG Knee Chapter: ODG Indications for Surgeryä -- Knee arthroplasty:

Criteria for knee joint replacement (If only 1 compartment is affected, a unicompartmental or partial replacement may be considered. If 2 of the 3 compartments are affected, a total joint replacement is indicated.):

1. Conservative Care: Exercise therapy (supervised PT and/or home rehab exercises). AND Medications. (unless contraindicated: NSAIDs OR Visco supplementation injections OR Steroid injection). PLUS
2. Subjective Clinical Findings: Limited range of motion (<90° for TKR). AND Nighttime joint pain. AND No pain relief with conservative care (as above) AND Documentation of current functional limitations demonstrating necessity of intervention. PLUS
3. Objective Clinical Findings: Over 50 years of age AND Body Mass Index of less than 40, where increased BMI poses elevated risks for post-op complications. PLUS
4. Imaging Clinical Findings: Osteoarthritis on: Standing x-ray (documenting significant loss of chondral clear space in at least one of the three compartments, with varus or valgus deformity an indication with additional strength). OR Previous arthroscopy (documenting advanced chondral erosion or exposed bone, especially if bipolar chondral defects are noted). (Washington, 2003) (Sheng, 2004) (Saleh, 2002) (Callahan, 1995)

For average hospital LOS if criteria are met, see Hospital length of stay (LOS).

See also Skilled nursing facility LOS (SNF)

Compression Garments: Recommended. Good evidence for the use of compression is available, but little is known about dosimetry in compression, for how long and at what level compression should be applied. Low levels of compression 10-30 mmHg applied by stockings are effective in the management of telangiectases after sclerotherapy, varicose veins in pregnancy, the prevention of edema and deep vein thrombosis (DVT). High levels of compression produced by bandaging and strong compression stockings (30-40 mmHg) are effective at healing leg ulcers and preventing progression of post-thrombotic syndrome as well as in the management of lymphedema. (Partsch, 2008) (Nelson-Cochrane, 2008) See also Lymphedema pumps; Venous thrombosis.

Recent research: There is inconsistent evidence for compression stockings to prevent post-thrombotic syndrome (PTS) after first-time proximal deep venous thrombosis (DVT). The findings of this study do not support routine wearing of elastic compression stockings (ECS) after DVT. PTS is a chronic disorder affecting 40%-48% of patients during the first 2 years after acute symptomatic

DVT. The American College of Chest Physicians currently recommends wearing compression stockings with 30-40 mm Hg pressure at the ankle for 2 years to reduce the risk of developing PTS, but the data supporting this recommendation are inconsistent, and come from small randomized trials without blinding. This high quality double-blind randomized trial compared compression stockings to sham stockings (without therapeutic compression) in 806 patients with proximal DVT and concluded otherwise. (Kahn, 2014)

A DESCRIPTION AND THE SOURCE OF THE SCREENING CRITERIA OR OTHER CLINICAL BASIS USED TO MAKE THE DECISION:

- ☐ ACOEM- AMERICAN COLLEGE OF OCCUPATIONAL & ENVIRONMENTAL MEDICINE UM KNOWLEDGEBASE
- ☐ AHCPR- AGENCY FOR HEALTHCARE RESEARCH & QUALITY GUIDELINES
- ☐ DWC- DIVISION OF WORKERS COMPENSATION POLICIES OR GUIDELINES
- ☐ EUROPEAN GUIDELINES FOR MANAGEMENT OF CHRONIC LOW BACK PAIN
- ☐ INTERQUAL CRITERIA
- ☒ MEDICAL JUDGEMENT, CLINICAL EXPERIENCE, AND EXPERTISE IN ACCORDANCE WITH ACCEPTED MEDICAL STANDARDS
- ☐ MERCY CENTER CONSENSUS CONFERENCE GUIDELINES
- ☐ MILLIMAN CARE GUIDELINES
- ☒ ODG- OFFICIAL DISABILITY GUIDELINES & TREATMENT GUIDELINES
- ☐ PRESSLEY REED, THE MEDICAL DISABILITY ADVISOR
- ☐ TEXAS GUIDELINES FOR CHIROPRACTIC QUALITY ASSURANCE & PRACTICE PARAMETERS
- ☐ TEXAS TACADA GUIDELINES
- ☐ TMF SCREENING CRITERIA MANUAL
- ☐ PEER REVIEWED NATIONALLY ACCEPTED MEDICAL LITERATURE (PROVIDE A DESCRIPTION)
- ☐ OTHER EVIDENCE BASED, SCIENTIFICALLY VALID, OUTCOME FOCUSED GUIDELINES (PROVIDE A DESCRIPTION)